



Mail Label ED005048610US

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/630,319	
			Filing Date	07/30/2003	
			First Named Inventor	Blauvelt et al.	
			Art Unit	2828	
			Examiner Name	James A Menefee	
Sheet	1	of	3	Attorney Docket Number	XPNT34NP

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US- 2004-0165812 - - A1	08/26/2004	Blauvelt et al	
		US- 4,156,206	05/22/1979	Comerford et al	
		US- 4,786,132	11/22/1988	Gordon	
		US- 4,811,352	03/07/1989	Suzuki et al	
		US- 5,043,991	08/27/1991	Bradley	
		US- 5,265,177	11/23/1993	Cho et al	
		US- 5,402,511	03/28/1995	Malone et al	
		US- 6,064,783	05/16/2000	Congdon et al	
		US- 6,282,219 - - B1	08/28/2001	Butler et al	
		US- 6,320,888 - - B1	11/20/2001	Tanaka et al	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature	Date Considered
-----------------------	--------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/630,319
				Filing Date	07/30/2003
				First Named Inventor	Blauvelt et al.
				Art Unit	2828
				Examiner Name	James A Menefee
Sheet	2	of	3	Attorney Docket Number	XPNT34NP

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		ABE ET AL, Optical path length trimming technique using thin film heaters for silica-based waveguides on Si, Electronics Letters, 09/12/1996, Page(s) 1818-1820, Volume 32, Number 19	
		BOUADMA ET AL, Integration of a laser Diode With a Polymer-Based Waveguide for Photonic Integrated Circuits, IEEE Photonics Technology Letters, 10/1994, Page(s) 1188-1190, Volume 6, Number 10	
		ELDADA ET AL, Advances in Polymer Integrated Optics, IEEE Journal of Selected Topics in Quantum Electronics, 01/2000, Page(s) 54-68, Volume 6, Number 1	
		MOSHREFZADEH ET AL, Temperature dependence of Index of Refraction of Polymeric Waveguides, Journal of Lightwave Technology, 04/1992, Page(s) 420-425, Volume 10, Number 4	
		OLSSON ET AL, Performance Characteristics of a 1.5 um Single-Frequency Semiconductor Laser with an External Waveguide Bragg Reflector, IEEE Journal of Quantum Electronics, 02/1988, Page(s) 143-147, Volume 24, Number 2	
		PAOLETTI ET AL, 15-GHz Modulation Bandwidth, Ultralow-Chirp 1.55-um Directly Modulated Hybrid Distributed Bragg Reflector Laser Source, IEEE Photonics Technology Letters, 12/1998, Page(s) 1691-1693, Volume 10, Number 12	
		PARK ET AL, A Novel Wavelength Stabilization Scheme Using a Fiber Grating for WDM Transmission, IEEE Photonics Technology Letters, 10/1998, Page(s) 1446-1448, Volume 10, Number 10	
		PEZESHKI ET AL, A gratingless wavelength stabilized semiconductor laser, Applied Physics Letters, 11/04/1996, Page(s) 2807-2809, Volume 69, Number 19	
		RIBOT ET AL, Improved Design for the Monolithic Integration of a Laser and an Optical Waveguide Coupled by an Evanescent Field, IEEE Journal of Quantum Electronics, 11/1990, Page(s) 1930-1941, Volume 26, Number 11	
		STUDENKOV ET AL, Asymmetric Twin-Waveguide 1.55-um Wavelength laser with a Distributed Bragg Reflector, IEEE Photonics Technology Letters, 05/2000, Page(s) 468-470, Volume 12, Number 5	
		TANAKA ET AL, PLC-type hybrid external cavity laser integrated with front-monitor photodiode on Si platform, Electronics Letters, 01/18/2001, Page(s) 95-97, Volume 37, Number 2	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

²Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/630,319
				Filing Date	07/30/2003
				First Named Inventor	Blauvelt et al.
				Art Unit	2828
				Examiner Name	James A Menefee
Sheet	3	of	3	Attorney Docket Number	XPNT34NP

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		TANAKA ET AL, Hybrid-Integrated External-Cavity Laser Without Temperature-Dependent Mode Hopping, Journal of Lightwave Technology, 09/2002, Page(s) 1730-1739, Volume 20, Number 9	
		TANAKA ET AL, 100-GHz Spacing Eight-Channel Light Source Integrated With Gratings and LDs on PLC Platform, IEEE Photonics Technology Letters, 09/2002, Page(s) 1348-1350, Volume 14, Number 9	
		TANAKA ET AL, Hybrid-Integrated External-Cavity Laser Without Temperature-Dependent Mode Hopping, Electronics Letters, 01/21/1999, Volume 35, Number 2	
		International Search Report for App. No. PCT/US03/23752 dated 17 NOV 2004 (three pages)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.